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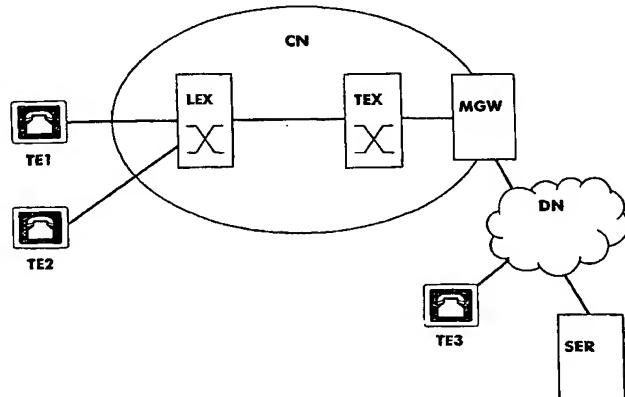
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD FOR PROVIDING SERVICES LOCATED IN A CONNECTIONLESS DATA PACKET NETWORK TO TERMINALS OF A CONNECTION ORIENTED COMMUNICATIONS NETWORK



(57) Abstract: The invention concerns a method for providing services located in a connectionless (data) packet network to terminals of a connection oriented communications network, comprising a signalling network for the control of network nodes (LEX, TEX) within said communications network, with a gateway (MGW) connecting said communications network (CN) to said packet network (DN), wherein a terminal (TE1) of the communications network (CN) generates a data packet, comprising a communications network address of said gateway (MGW) in a header and a service information for a server (SER) of the packet network (DN), the terminal (TE1) transmits said data packet to the communications network (CN) over a signalling channel, in the communications network (CN) said header is evaluated and the data packet is forwarded to the gateway (MGW) over said signalling network and the media gateway (MGW) extracts the service information and generates a corresponding protocol information to be forwarded to said server (SER) over the packet network (DN), and a terminal (TE1, TE2), a program module and a server system (SC) for downloading said program module therefore.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 113 632	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/ 06693	International filing date (day/month/year) 25/06/2003	(Earliest) Priority Date (day/month/year) 26/06/2002
Applicant ALCATEL		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of **4** sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

INTERNATIONALER RECHERCHENBERICHT

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

A METHOD FOR PROVIDING SERVICES LOCATED IN A CONNECTIONLESS DATA PACKET NETWORK TO TERMINALS OF A CONNECTION ORIENTED COMMUNICATIONS NETWORK.

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06693

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04L H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 01 179 A (MANNESMANN AG) 29 June 2000 (2000-06-29) column 1, line 7 - line 26 column 1, line 47 - line 54 column 2, line 16 - line 62 column 3, line 11 - line 15 column 3, line 66 -column 4, line 7 figures 1,2,5 ---	1-6
X	WO 97 16007 A (SAKSANEN PAULI ;FINLAND TELECOM OY (FI); KARHAPAEAE TUOMO (FI)) 1 May 1997 (1997-05-01) page 15, line 23 -page 16, line 16 figures 1,3A,3B ---	1,2,4,5 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

29 September 2003

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Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06693

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DETEWE: "WIN IP PHONE" ONLINE PUBLICATION, 'Online! 27 July 2001 (2001-07-27), pages 1-3, XP002222704 Retrieved from the Internet: <URL: http://detewe.dyndns.org/winipphone/d e/html/main.htm> 'retrieved on 2002-11-27! page 1, line 12 - line 16</p> <p>-----</p>	6
A	<p>"Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control" ETS 300 102-1, December 1990 (1990-12), page 1,29-31,96-97,141-151 XP002222705 page 30 page 96 page 141</p> <p>-----</p>	1,2,4,5
A	<p>"Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling No. one (DSS1) protocol; Part 1: protocol specification" EN 300 196-1, April 1998 (1998-04), page 1,19-28,43-54 XP002222706 page 27 page 49</p> <p>-----</p>	3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06693

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
DE 10001179	A	29-06-2000	DE AU WO EP	10001179 A1 6685600 A 0110164 A2 1198971 A2
WO 9716007	A	01-05-1997	AU FI WO	7302596 A 955810 A 9716007 A1
				29-06-2000 19-02-2001 08-02-2001 24-04-2002
				15-05-1997 26-04-1997 01-05-1997